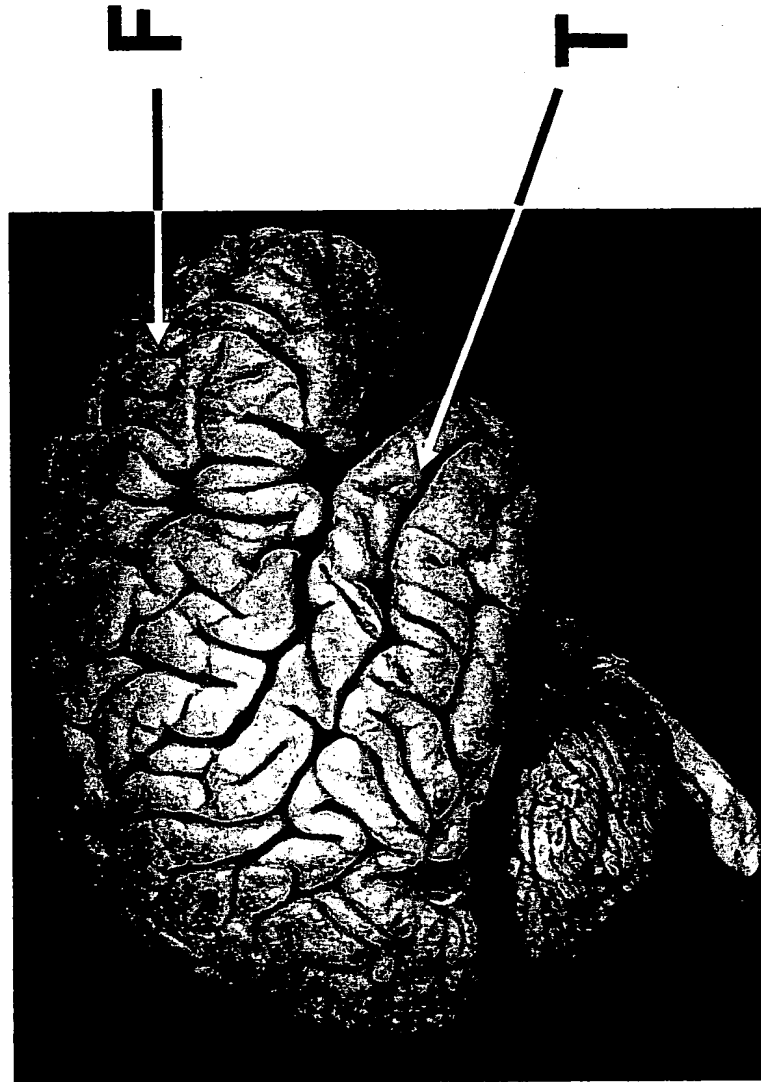


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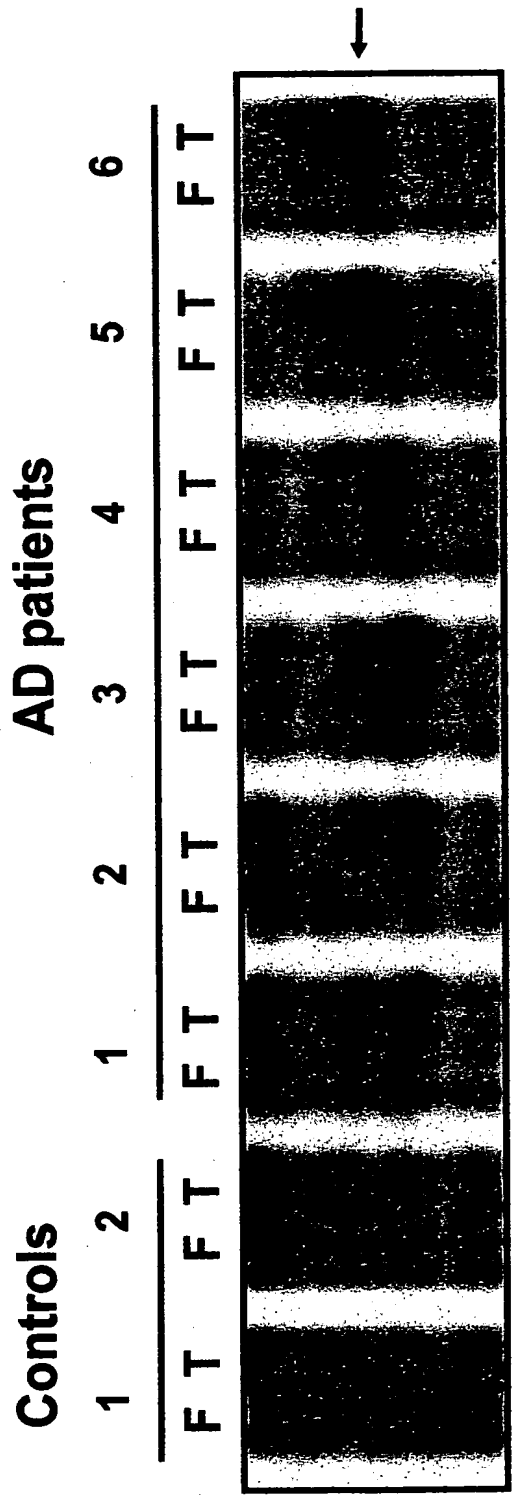
**Fig. 1: Identification of genes involved in  
Alzheimer's Disease pathology**



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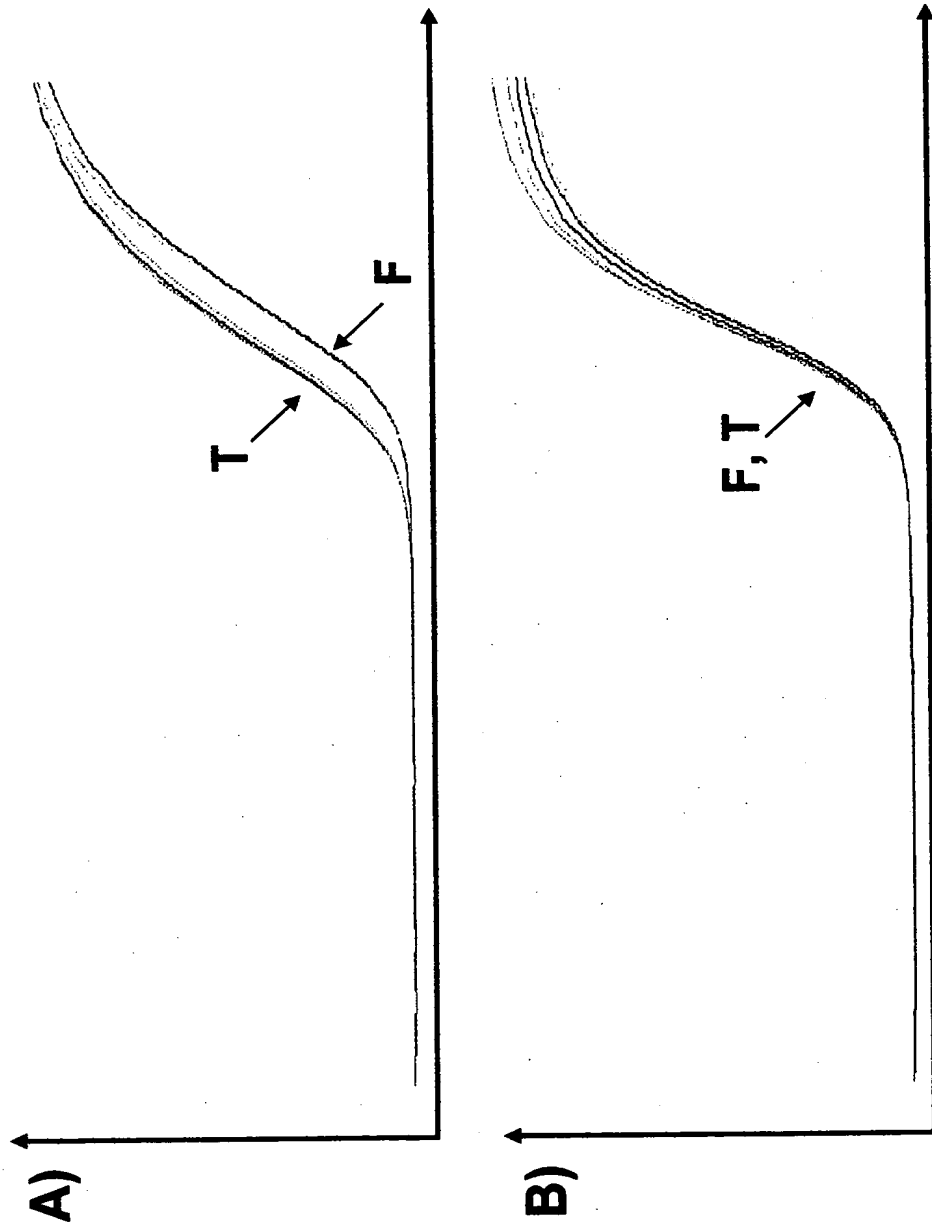
-2/11-

**Fig. 2: Identification of differentially expressed  
Alzheimer's disease genes in a fluorescence  
differential display screen**



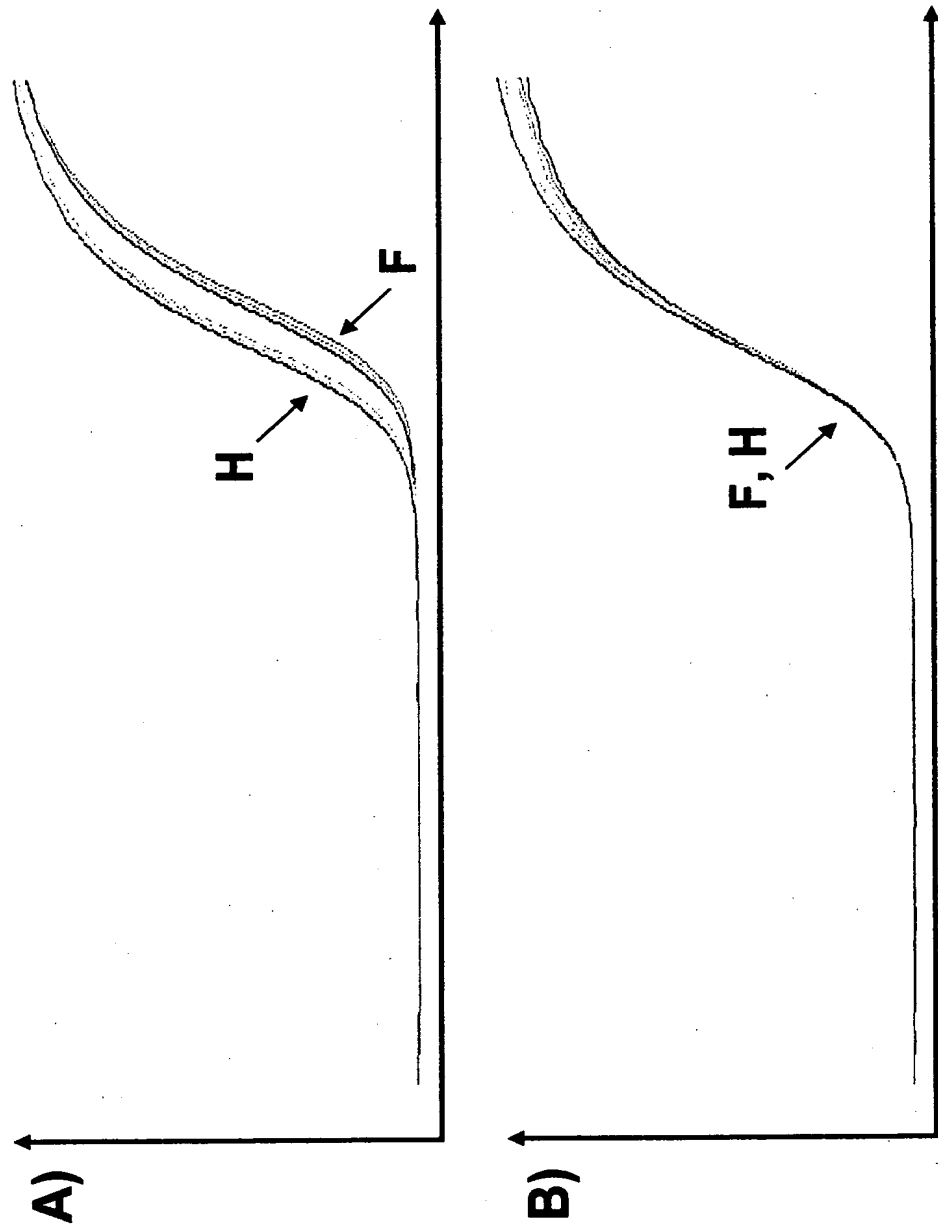
-3/11-

**Fig. 3: Verification of differential expression of the minor vault protein ADPRTL1 gene by quantitative PCR**



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**Fig. 4: Verification of differential expression of the minor vault protein ADPRTL1 gene by quantitative PCR**



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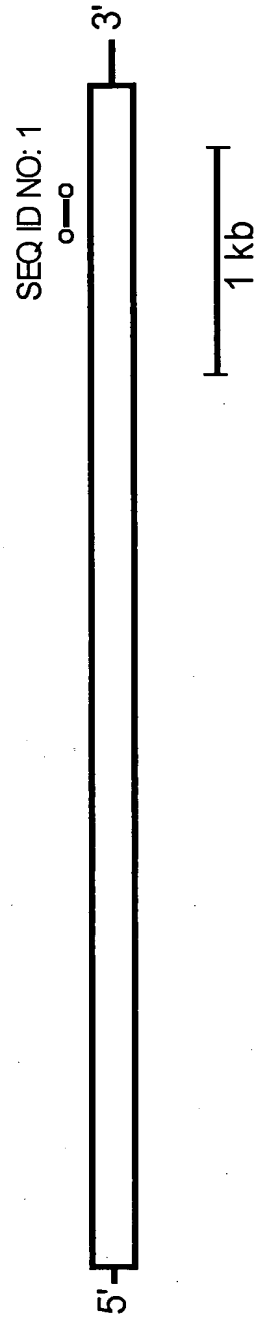
**Figure 5: Nucleotide sequence of  
SEQ ID NO. 1**

Length: 35 bp

1 AATCTAGGAA TATTCCTGG GCTTTTGAGG CAATC

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**Fig. 6: Schematic alignment of SEQ ID NO. 1  
with minor vault protein ADPRTL1 cDNA  
(GenBank accession number AF057160)**



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**Fig. 7: Alignment of SEQ ID NO.1 with minor vault protein ADPRTL1 cDNA (AF057160)**

```
1 TCTAGGAATATTCCCTGGGCTTTTGAGGCAAT 33
  ||||||||||||||||||||||||||||
5027 TCCAGGAATATTCCCTGGGCTTTTGAGGCAAT 5058
```

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**Fig. 8: SEQ ID NO. 2: amino acid sequence of human minor vault protein ADPRTL1**

**Length: 1724 aa**

```

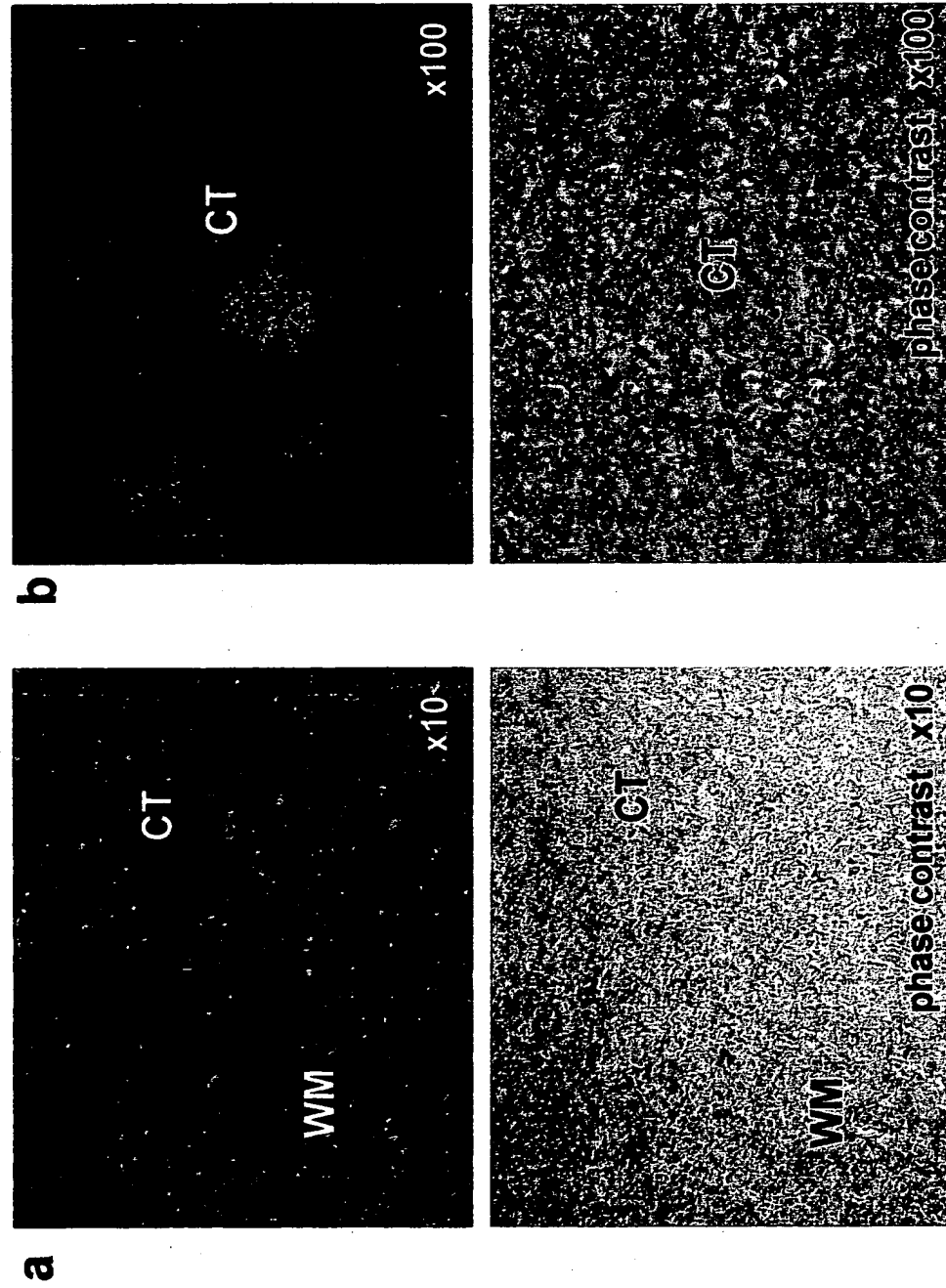
1  MVMGIFANCI FCLKVKYLPQ QQKKKLQTDI KENGCKFSFS LNPQCTHIIL
51  DNADVLSQYQ LNSIQKNHVH IANPDFIWKS IREKRLLDVK NYDPYKPLDI
101 TPPPDQKASS SEVKTEGLCP DSATEEEDTV ELTEFGMQNV EIPHL PQDFE
151 VAKYNTLEKV GMEGGQEAVV VELQCSRDSR DCPFLISSHF LLDDGMETRR
201 QFAIKKTSER ASEYFENYIE ELKKQGFLLR EHFTPEATQL ASEQLQALLL
251 EEVMNSSTLS QEVSDLVEMI WAEALGHLEH MLLKPVNRIS LNDVSKAEGI
301 LLLVKAALKN GETAEQLQKM MTEFYRLIPH KGTMPKEVNL GLLAKKADLC
351 QLIRDMVNVC ETNLSKPNPP SLAKYRALRC KIEHVEQNTE EFLRVRKEVL
401 QNHHSKSPVD VLQIFRVGRV NETTEFLSKL GNVRLPLHGS PVQNIVGILC
451 RGLLLPKVVE DRGVQRTDVG NLGSGIYFSD SLSTSIKYSH PGETDGTRLL
501 LICDVALGKC MDLHEKDFSL TEAPPGYDSV HGVSQTASVT TDFEDDEFVV
551 YKTNQVKMKY IIKFSMPGDQ IKDFHPSDHT ELEEYRPEFS NFSKVEDYQL
601 PDAKTSSSTK AGLQDASGNL VPLEDVHIKG RIIDTVAQVI VFQTYTNKSH
651 VPIEAKYIFP LDDKAAVCGF EAFINGKHIK GEIKEKEEAQ QEYLEAVTQG
701 HGAYLMSQDA PDVFTVSVGN LPPKAKVLIK ITYITELSLI GTVGVFMPA
751 TVAPWQQDKA LNENLQDTVE KICIKEIGTK QSFSLTMSIE MPYVIEFIFS
801 DTHELKQKRT DCKAVISTME GSSLDSSGFS LHIGLSAAYL PRMWVEKHPE
851 KESEACMLVF QPDLDVDLPD LASESEVIIC LDCSSSMEGV TFLQAKQIAL
901 HALSLVGEKQ KVNIIQFGTG YKELFSYPKH ITSNTAAAEF IMSATPTMGN
951 TDFWKTLRYL SLLYPARGSR NILLVSDGHL QDESLTLQLV KRSRPHTRLF
1001 ACGIGSTANR HVLRIILSCG AGVFEYFNAK SKHSWRKQIE DQMTRLCSPS
1051 CHSVSVKQQQ LNPDAPEALQ APAQVPSLFR NDRLLVYGF I PHCTQATLCA
1101 LIQEKEFCTM VSTTELQKTT GTMIHKLAAR ALIRDYEDGI LHENETSHEM
1151 KKQTLKSLII KLSKENS LIT QFTSFVAVEK RDNESPPFD IPKVSELI AK
1201 EDVDFLPYMS WQGE PQEAVR NQSL LASSEW PELRLSKRKH RKIPFSKRKM
1251 ELSQPEVSED FEEDGLGVLP AFTSNLERGG VEKLLDLSWT ESCKPTATEP
1301 LFKKVSPWET STSSFFPILA PAVGSYLTPT TRAHSPASLS FASYRQVASF
1351 GSAAPPRQFD ASQFSQGPVP GTCADWIPQS ASCPTGPPQN PPSAPYCGIV
1401 FSGSSLSSAQ SAPLQHPGGF TTRPSAGTFP ELDSPQLHFS LPTDPDPIRG
1451 FGSYHPSAYS PFHFQPSAAS LTANLRLPMA SALPEALCSQ SRTTPVDLCL
1501 LEESVGSLEG SRCPVFAFQS SDTESDELSE VLQDSCFLQI KCDTKDD SIP
1551 CFLEVKEEDE IVCTQHWQDA VPWTELLSLQ TEDGFWKLTP ELGLILNLNT
1601 NGLHSFLKQK GIQSLGVKGR ECLLDLIATM LVLQFIRTRL EKEGIVFKSL
1651 MKMDDPSISR NIPWAFEAIK QASEWVR RTE GQYPSICPRL ELGNDWDSAT
1701 KQLLGLQPIS TVSPLHRVLH YSQG

```



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**Fig. 9: Images of the human cerebral cortex  
labeled with anti-ADPRTL1 monoclonal  
antibody and with DAPI**



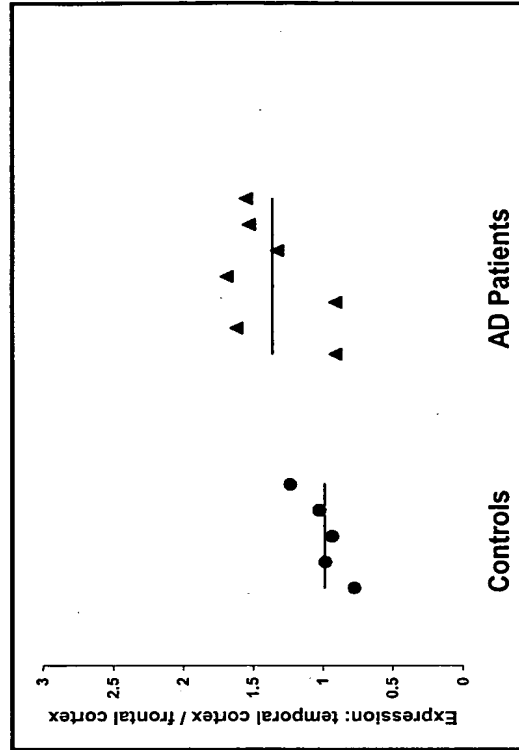
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Table 1 :

sample  $\Delta$  (fold)  
(temporal / frontal cortex)

control C011	0.77
control C012	0.98
control C014	0.93
control C005	1.02
control C008	1.23
patient P012	0.91
patient P016	1.62
patient P010	0.91
patient P011	1.69
patient P014	1.33
patient P017	1.53
patient P019	1.55

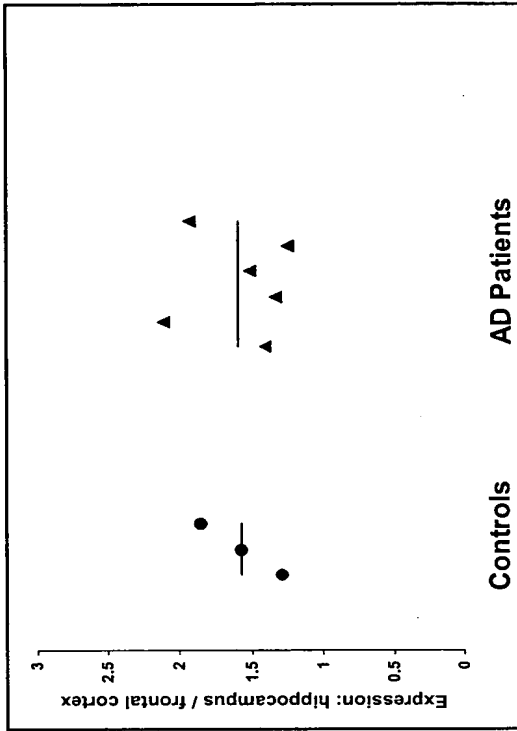


-11/11-

Table 2:

sample  $\Delta$  (fold)  
(hippocampus / frontal cortex)

control C005	1.28
control C008	1.57
control C004	1.86
patient P012	1.40
patient P016	2.11
patient P010	1.32
patient P011	1.51
patient P014	1.24
patient P019	1.93



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